Math Grades 3 - 6
Multiplication/Rate, Time, Distance

MA.4.A.1.1
MA.4.A.1.2

Aesop’s Fables
“The Hare and the Tortoise”
Aesop
Reading Level: 3.2

Directions:

Given the formula \( \text{Distance} = \text{Rate} \times \text{Time} \), solve the following problems.

1. Suppose the Hare travels at a rate of 15mph for 2 hours and the tortoise travels at a rate of 3mph for 12 hours. Find the distance traveled by each animal to determine who went the greatest distance, the tortoise or the hare.

2. Suppose the Hare travels at a rate of 10mph for 2 hours and the tortoise travels at a rate of 4mph for 5 hours. Find the distance traveled by each animal to determine who went the greatest distance, the tortoise or the hare.

Solutions:

1. Hare: 15mph \( \times \) 2 hours = 30 miles
   Tortoise: 3mph \( \times \) 12 hours = 36 miles.
   The tortoise traveled the greatest distance.

2. Hare: 10mph \( \times \) 2 hours = 20 miles
   Tortoise: 4mph \( \times \) 5 hours = 20 miles.
   They both traveled the same distance.